

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION 5/19/2004 (Use several sheets if necessary)			ATTORNEY DOCKET NO. 301496.1005-118	APPLICATION NO. 10/748,690
			APPLICANT Alice M. Chiang et al.	
			FILING DATE December 30, 2003	GROUP ART UNIT 3662

## U.S. PATENT DOCUMENTS

EXAM- INER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
20	AA	4,034,483	07/12/77	Bernstein et al.	35	10.4	
20	AB	4,152,678	05/01/79	Shott et al.	333	150	
20	AC	4,159,462	06/26/79	Rocha et al.	340	1	
20	AD	4,173,007	10/30/79	McKeighen et al.	367	11	
20	AE	4,227,417	10/14/80	Glenn	73	625	
20	AF	4,233,678	11-11-80	Brady, III	367	122	
20	AG	4,241,608	12-30-80	Dees et al.	73	606	
20	AH	4,244,037	01/06/81	Jelks	367	121	
20	AI	4,245,333	01/13/81	Jelks	367	121	
20	AJ	4,253,168	02/24/81	Petrosky et al.	367	123	
20	AK	4,254,662	03/10/81	Kuroda et al.	73	626	
20	AA2	4,267,584	05/12/81	McKeighen et al.	367	11	
20	AB2	4,274,148	06/16/81	Hullenaar	367	122	
20	AC2	4,277,787	07/07/81	King	343	100	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
20	AL	2 130 798 A	06 Oct 82	United Kingdom			
20	AM	0 593 822 A1	19 Oct 92	EPO			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

20	AR	Takeuchi, Y., "Coded Excitation for Harmonics Imaging", <i>IEEE ULTRASONICS SYMPOSIUM</i> , 1433-1437 (1996).
20	AS	Brady, J.J., "A serial phase shift beamformer using charge transfer devices", <i>8014 Journal of acoustical Society of America</i> , Vol. 68 (1980) August, N 2, New York, NY.
20	AT	Beetner, D.G., and Arthur, M.R., "Generation of Synthetic-Focus Images from Pulse-Echo Ultrasound Using Difference Equations", <i>IEEE</i> , 665-672 (October, 1996).

EXAMINER 	DATE CONSIDERED 2005 MARCH 11
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EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
✓	AD2	4,307,613	12/29/81	Fox	73	626	
✓	AE2	4,313,184	01/26/82	Jarman <i>et al.</i>	367	88	
✓	AF2	4,336,607	06/22/82	Hill <i>et al.</i>	367	123	
✓	AG2	4,401,957	08/30/83	McKeighen <i>et al.</i>	333	165	
✓	AH2	4,464,726	08/07/84	Chiang	364	606	
✓	AI2	4,544,927	10/01/85	Kurth <i>et al.</i>	343	373	
✓	AJ2	4,616,231	10/07/86	Autrey <i>et al.</i>	342	374	
✓	AK2	4,947,176	08/07/90	Inatsune <i>et al.</i>	342	173	
✓	AA3	5,014,250	05/07/91	Hadderingh	367	124	
✓	AB3	5,029,144	07/02/91	Griffin	367	11	
✓	AC3	5,030,953	07/09/91	Chiang	341	172	
✓	AD3	5,031,625	07/16/91	Higashizumi <i>et al.</i>	428	660-01	
✓	AE3	5,089,983	02/18/92	Chiang	364	844	
✓	AF3	5,126,962	06/30/92	Chiang	364	725	
✓	AG3	5,200,755	04/06/93	Matsuda <i>et al.</i>	342	158	
✓	AH3	5,228,007	07/13/93	Murakami <i>et al.</i>	367	103	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AU	Broadstone, S.R., and Arthur, M.R., "Determination of Time-of-Flight Surfaces Using the Method of Moments", <i>IEEE</i> , 173-179 (June, 1991).
✓	AV	Shott, J.D., et al., "Charge-coupled devices for use in electronically-focused ultrasonic imaging systems", <i>8049 Proceedings of the I.E.E.-F</i> , Vol. 127 (1980) April, N° 2, Stevenage.
✓	AW	Macovshi, Albert, "Ultrasonic Imaging Using Arrays", <i>Proceedings of the IEEE</i> , Vol. 67, No. 4, April, 1979.
✓	AX	Tanaka, T., et al., "Digital Signal Processor for Digital Multi Beam Forming Antenna in Mobile Communication", <i>Proceedings of the Vehicular Technology Conference</i> , Stockholm, Vol. 3, Conf. 44, pp. 1507-1511 (June 8-10, 1994).

EXAMINER <i>P - Phu</i>	DATE CONSIDERED 2005 MARCH 11
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			APPLICANT			Alice M. Chiang <i>et al.</i>		
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December 30, 2003		3662						
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE	
AM	A13	5,276,452	01/04/94	Schuss <i>et al.</i>	342	371		
AM	AJ3	5,309,409	05/03/94	Jones <i>et al.</i>	367	103		
AM	AK3	5,343,211	08/30/94	Kott	342	379		
AM	AA4	5,363,108	11/08/94	Fullerton	342	27		
AM	AB4	5,386,830	02/07/95	Powers <i>et al.</i>	128	661.09		
AM	AC4	5,517,537	05/14/96	Greene <i>et al.</i>	376	252		
AM	AD4	5,533,383	07/09/96	Greene <i>et al.</i>	73	40.5		
AM	AE4	5,535,150	07/09/96	Chiang	364	724.19		
AM	AF4	5,555,200	09/10/96	Chiang	364	606		
AM	AG4	5,555,534	10/10/96	Maslak <i>et al.</i>	367	175		
AM	AH4	5,590,658	01/07/97	Chiang <i>et al.</i>	128	661.01		
AM	A14	5,623,930	04/29/97	Wright <i>et al.</i>	128	661.1		
AM	AJ4	5,685,308	11/11/97	Wright <i>et al.</i>	128	660.07		
AM	AK4	5,822,276	10/13/98	Miklovic	367	103		
AM	AAS	5,904,652	05/18/99	Gilbert <i>et al.</i>	600	447		
AM	ABS	6,111,816	08/29/00	Chiang <i>et al.</i>	367	7		
AM	ACS	6,292,433 B1	09/18/01	Gilbert <i>et al.</i>	367	138		
AM	ADS	6,671,227 B2	12/30/03	Gilbert <i>et al.</i>	367	138		
EXAMINER <i>Dawn P. Shinde</i>			DATE CONSIDERED 2005 MARCH 11					